

**c. Amendments to Claims**

1-9. (Canceled)

10. (Currently amended) ~~[[A]]~~ An apparatus, comprising:  
 a solid that comprises a crosslinked collection of amphiphilic organosilicate precursors; and  
 wherein the amphiphilic organosilicate precursors form a matrix with an array of micro-structures dispersed in the matrix;  
wherein the micro-structures are voids or pores in the matrix, and  
wherein the solid is non-wettable by water.

11. (Canceled)

12. (Currently amended) The apparatus of claim ~~[[11]]~~ 10, wherein the voids or pores are hydrophilic and portions of the matrix not adjacent to the voids or pores are hydrophobic.

13. (Canceled)

14. (Currently amended) ~~The apparatus of claim 11, further comprising:~~  
An apparatus, comprising:  
a solid that comprises a crosslinked collection of amphiphilic organosilicate precursors; and  
 a planar optical waveguide comprising an optical core layer and the solid; and  
wherein the amphiphilic organosilicate precursors form a matrix with an array of micro-structures dispersed in the matrix;  
wherein the micro-structures are voids or pores in the matrix; and  
 wherein the solid forms an optical cladding layer for the optical core layer.

15 – 20. (Canceled)